

# XL202

## Programming Guide

This product is intended for installation by a professional installer only! Attempts to install this product by a person other than a trained professional may result in severe damage to a vehicle's electrical system and components.

**DIRECTED**<sup>®</sup>

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DBALL2Pro 2014-12

## Contents

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Warning! Safety first .....	3
Introduction .....	4
Compatibility & pairing options .....	4
Programming type 1 .....	6
Compatibilities.....	6
Instructions .....	6
Programming type 2 .....	7
Compatibilities.....	7
Instructions .....	7
Programming type 3 .....	8
Compatibilities.....	8
Instructions .....	8
Programming type 4 .....	9
Compatibilities.....	9
Instructions .....	9
Programming type 5 .....	10
Compatibilities.....	10
Instructions .....	10
Programming type 6 .....	11
Compatibilities.....	11
Instructions .....	11
Programming type 7 .....	12
Compatibilities.....	12
Instructions .....	12
Programming type 8 .....	13
Compatibilities.....	13
Instructions .....	13
Erasing all remotes from the memory .....	14
Limited lifetime consumer warranty .....	15

## Warning! Safety first

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 The following safety warnings must be observed at all times:

- Due to the complexity of this system, installation of this product must only be performed by an authorized Directed dealer.
- When properly installed, this system can start the vehicle via a command signal from the remote control. Therefore, never operate the system in an area that does not have adequate ventilation.

The following precautions are the sole responsibility of the user; however, authorized Directed dealers should:

- Never use a test light or logic probe when installing this unit. Always use a multimeter.
- Never operate the system in an enclosed or partially enclosed area without ventilation (such as a garage).
- When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote start system must be disabled using the installed toggle switch. It is the user's sole responsibility to properly handle and keep out of reach from children all remote controls to assure that the system does not unintentionally remote start the vehicle.
- **USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST REMAIN CLOSED AT ALL TIMES.**

Use of this product in a manner contrary to its intended mode of operation may result in property damage, personal injury, or death. Except when performing the Safety Check outlined in this installation guide, (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the keys in the ignition. The user is responsible for having the neutral safety feature of the vehicle periodically checked, wherein the vehicle must not remotely start while the car is in gear. This testing should be performed by an authorized Directed dealer in accordance with the Safety Check outlined in this product installation guide. If the vehicle starts in gear, cease remote start operation immediately and consult with the user to fix the problem immediately.

After the remote start module has been installed, test the remote start module in accordance with the Safety Check outlined in this installation guide. If the vehicle starts when performing the Neutral Safety Shutdown Circuit test, the remote start unit has not been properly installed. The remote start module must be removed or properly reinstalled so that the vehicle does not start in gear. All installations must be performed by an authorized Directed dealer.

**OPERATION OF THE REMOTE START MODULE IF THE VEHICLE STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPERATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY. IMMEDIATELY CEASE THE USE OF THE UNIT AND REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. DIRECTED WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.**

Remote starters for manual transmission pose significant risks if not properly installed and operated. When testing to ensure the installation is working properly, only remote start the vehicle in neutral gear, on a flat surface and with a functional, fully engaged parking brake. Do not allow anyone to stand in front of or behind the vehicle.

This product should not be installed in any convertible vehicles, soft or hard top with a manual transmission. Installation in such vehicles may pose certain risk.

## Introduction

The XL202 is designed to convert RF data into D2D. It is used in conjunction with most of our Xpresskit interface modules that are equipped with a D2D port and enables the connection of almost any of our Directed RF kits. The main applications for the XL202 are to allow the connection of Directed RF to RSR or RXT compatible kit, which allow the control of the OEM (RXT) or aftermarket (RSR) remote starters.



## Compatibility & pairing options

The XL202 offers multiple different firmware's that enable it to work with legacy and current RF technology. Before using the XL202 you must ensure that it has been flashed with the correct firmware and that the correct settings have been selected at the interface module level.

Please reference the table below to determine what is the correct programming procedure (Pairing type).

Brand	Remote	Specifications	
Autostart		Prog. type	<b>1</b>
		Remote part #	ASRF-1510FBK
		Antenna part #	TW-130 HDR
		Firmware	202.RFTDASEH
		Prog. type	<b>1</b>
		Remote part #	ASRF-3503BK
AstroStart		Prog. type	<b>1</b>
		Remote part #	ASRF-3510BK
		Antenna part #	TW-130 HDR
		Firmware	202.RFTDASEH
		Prog. type	<b>1</b>
		Remote part #	ASRA-2510FBK
		Prog. type	<b>1</b>
		Remote part #	SH 433-120 HDR
		Antenna part #	
		Firmware	202.RFKASRA
		Prog. type	<b>7</b>
		Remote part #	ASRS-7503
		Prog. type	<b>7</b>
		Remote part #	ASRS-7504
		Antenna part #	TW-150 SST
		Firmware	202.RFTDASNC
		Prog. type	<b>1</b>
		Remote part #	613-TX
		Prog. type	<b>1</b>
		Remote part #	613-RX
		Antenna part #	
		Firmware	202.RFKAFE
		Prog. type	<b>8</b>
		Remote part #	5225-TX
		Prog. type	<b>8</b>
		Remote part #	5225-RX
		Antenna part #	
		Firmware	202.RFKAFS
		Prog. type	<b>2</b>
		Remote part #	721-TX
		Prog. type	<b>2</b>
		Remote part #	721-RX
		Antenna part #	
		Firmware	202.RFKAFF1
		Prog. type	<b>1</b>
		Remote part #	615-TX
		Prog. type	<b>1</b>
		Remote part #	TVV-130 HDR
		Antenna part #	
		Firmware	202.RFTDASEH
		Prog. type	<b>1</b>
		Remote part #	625-TX
		Prog. type	<b>1</b>
		Remote part #	TVV-130 HDR
		Antenna part #	
		Firmware	202.RFTDASEH

Brand	Remote	Specifications	
Avital		Prog. type	<b>2</b>
		Remote part #	7111L
		Antenna part #	6102T
		Firmware	202.RFKLQ0
		Prog. type	<b>1</b>
		Remote part #	7352L
		Antenna part #	554N
		Firmware	202.RFTDKLQ1
		Prog. type	<b>1</b>
Automate		Remote part #	7143L
		Antenna part #	554N
		Firmware	202.RFTDKLQ1
		Prog. type	<b>3</b>
		Remote part #	7113A
		Antenna part #	6211T
		Firmware	202.RFTDDEI
		Prog. type	<b>3</b>
		Remote part #	7213A
		Antenna part #	6211T
		Firmware	202.RFTDDEI
		Prog. type	<b>4</b>
		Remote part #	7143A
		Antenna part #	6211T
		Firmware	202.RFTDDEI
		Prog. type	<b>4</b>
		Remote part #	7243A
		Antenna part #	6211T
		Firmware	202.RFTDDEI
		Prog. type	<b>6</b>
		Remote part #	7351A
		Antenna part #	6211T
		Firmware	202.RFTDDEI
		Prog. type	<b>2</b>
		Remote part #	7111A
		Antenna part #	6102T
		Firmware	202.RFKLQ0
		Prog. type	<b>1</b>
		Remote part #	474A
		Antenna part #	6102T
		Firmware	202.RFTDKLQ1

Brand	Remote	Specifications	
Viper/Python/clifford		Prog. type	<b>2</b>
		Remote part #	7211V/P/X
		Antenna part #	6212T
		Firmware	202.RFTDDEI1
		Prog. type	<b>5</b>
		Remote part #	7153V/P/X
		Antenna part #	6211T
		Firmware	202.RFTDDEI
		Prog. type	<b>5</b>
Viper		Remote part #	7251V/P/X
		Antenna part #	6211T
		Firmware	202.RFTDDEI
		Prog. type	<b>6</b>
		Remote part #	7752V/P/X
		Antenna part #	6711T SST
		Firmware	202.RFTDDEI
		Prog. type	<b>6</b>
		Remote part #	7941V/P/X
Python		Antenna part #	6711T SST
		Firmware	202.RFTDDEI
		Prog. type	<b>5</b>
		Remote part #	7656V/X
		Antenna part #	6816T
		Firmware	202.RFTDDEI2
		Prog. type	<b>5</b>
		Remote part #	7856V/X
		Antenna part #	6816T
Clifford		Firmware	202.RFTDDEI2
		Prog. type	<b>6</b>
		Remote part #	7756V/X
		Antenna part #	6816T
		Firmware	202.RFTDDEI2
		Prog. type	<b>6</b>
		Remote part #	7756V/X
		Antenna part #	6816T
		Firmware	202.RFTDDEI2

# Programming type 1

## Compatibilities

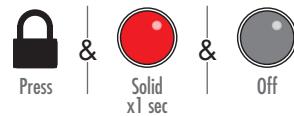
Remote part #	Antenna part #	Firmware
ASRF-1510FBK	TW-130 HDR	202.RFTDASEH
ASRF-3503BK	TW-130 HDR	202.RFTDASEH
ASRF-3510FBK	TW-130 HDR	202.RFTDASEH
ASRA-2510FBK	SH 433-120 HDR	202.RFKASRA
613-TX	613-RX	202.RFKAFE
623-TX	623-RX	202.RFKAFE
615-TX	TW-130 HDR	202.RFTDASEH
625-TX	TW-130 HDR	202.RFTDASEH
7352L	554N	202.RFTDKLQ1
7143L	554N	202.RFTDKLQ1
474A	6102T	202.RFTDKLQ1

## Instructions

1 Press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



2 Press the **Lock** button on the remote. The LED on the XL202 turns ON solid for one second, then turns OFF to indicate the pairing was completed successfully.



3 When programming is finished, release the **Programming** button on the XL202.



# Programming type 2

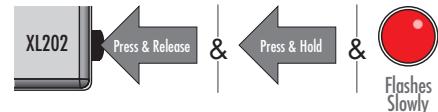
## Compatibilities

Remote part #	Antenna part #	Firmware
721-TX	721-RX	202.RFKAFF1
7211V/P/X	6212T	202.RFTDDE11
7111A	6102T	202.RFKLQ0
7111L	6102T	202.RFKLQ0

## Instructions

### With UNLOCK ALL option:

Press and release 1 time, then press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



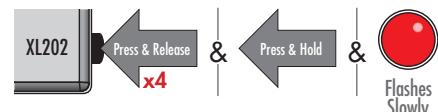
### With DRIVER DOOR PRIORITY UNLOCK option:

Press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



### With UNLOCK ALL option and 2x start activation\*:

Press and release 4 times, then press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



### With DRIVER DOOR PRIORITY UNLOCK option and 2x start activation\*:

Press and release 3 times, then press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



**2** Press the button on the remote. The LED on the XL202 turns ON solid for one second, then turns OFF to indicate the pairing was completed successfully.



**3** When programming is finished, release the **Programming** button on the XL202.



\* Only compatible with the 202.RFKLQ0 firmware.

# Programming type 3

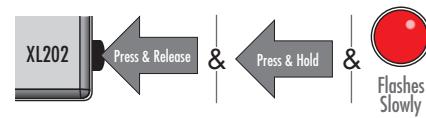
## Compatibilities

Remote part #	Antenna part #	Firmware
7113A	6211T	202.RFTDDEI
7213A	6211T	202.RFTDDEI

## Instructions

### With UNLOCK ALL option:

Press and release, then press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



1

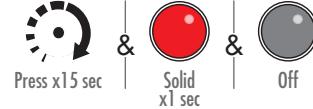
### With DRIVER DOOR PRIORITY UNLOCK option:

Press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



2

Press and hold the remote button for 15 seconds until the LED on the XL202 turns ON solid for one second, then turns OFF to indicate the pairing was completed successfully.



3

When programming is finished, release the **Programming** button on the XL202.



# Programming type 4

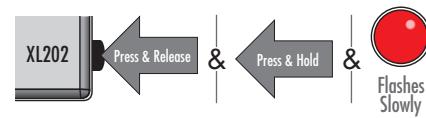
## Compatibilities

Remote part #	Antenna part #	Firmware
7143A	6211T	202.RFTDDEI
7243A	6211T	202.RFTDDEI

## Instructions

### With UNLOCK ALL option:

Press and release, then press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



1

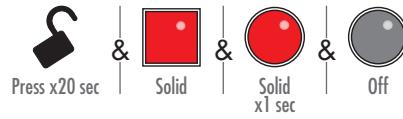
### With DRIVER DOOR PRIORITY UNLOCK option:

Press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



2

Press and hold the **Unlock** button for 20 seconds until the remote LED turns ON solid. The XL202 LED also turns ON solid for one second, then turns OFF to indicate the pairing was completed successfully.



3

When programming is finished, release the **Programming** button on the XL202.



# Programming type 5

## Compatibilities

Remote part #	Antenna part #	Firmware
7153V/P/X	6211T	202.RFTDDE1
7251V/P/X	6211T	202.RFTDDE1
7656V/X	6816T	202.RFTDDE12
7856V/X	6816T	202.RFTDDE12

## Instructions

### With UNLOCK ALL option:

Press and release, then press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



1

### With DRIVER DOOR PRIORITY UNLOCK option:

Press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



2

Hold the **Function** button on the remote until it emits a long beep and its LED turns ON solid (approximately 12 seconds).



3

Press and hold the **Start** button until the remote beeps 3 times and its LED turns ON solid.



4

Press the **Lock** button on the remote. Confirmation tones are heard upon successful programming, and the XL202 LED turns ON solid for one second, then turns OFF to indicate the pairing was completed successfully.



5

When programming is finished, release the **Programming** button on the XL202.



6

Wait 30 seconds for remote to exit programming. All remote lights will be off when the programming mode has been exited.



# Programming type 6

## Compatibilities

Remote part #	Antenna part #	Firmware
7351A	6211T	202.RFTDDEI
7752V/P/X	6711T SST	202.RFTDDEI
7941V/P/X	6711T SST	202.RFTDDEI
7756V/X	6816T	202.RFTDDEI2

## Instructions

### With UNLOCK ALL option:

Press and release, then press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



1

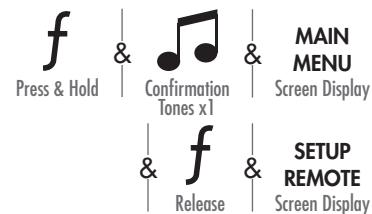
### With DRIVER DOOR PRIORITY UNLOCK option:

Press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



2

Press and hold the **Function** button on the remote until it emits a long beep and the display reads **MAIN MENU** (around 8 to 12 seconds). After releasing the **Function** button, the display reads **SETUP REMOTE**.



3

Press and release the **Aux** or **Start** button until the display reads **PAIR**.



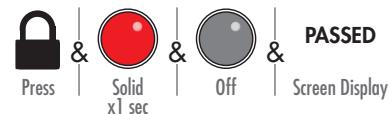
4

Press the **Function** button one time. The remote emits 3 tones and the display reads **PAIR**. It is now in Pairing mode.



5

Press the **Lock** button on the remote. The XL202 LED turns ON solid for one second, then turns OFF to indicate the pairing was completed successfully. The remote display will also read **PASSED**.



6

When programming is finished, release the **Programming** button on the XL202.



7

Wait 30 seconds for remote to exit programming. The remote will return the display to its home screen when the programming mode has been exited.



# Programming type 7

## Compatibilities

Remote part #	Antenna part #	Firmware
ASRS-7503	6711T SST	202.RFTDDE1
ASRS-7504	TW-150 SST	202.RFTDASNC

## Instructions

### With UNLOCK ALL option:

Press and release, then press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



1

### With DRIVER DOOR PRIORITY UNLOCK option:

Press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



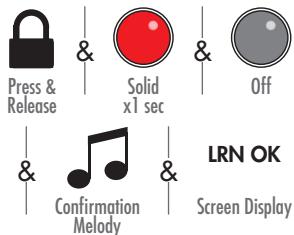
2

Press and hold the **Function** button on the remote until it emits a long beep and the display reads **PAIR MODE**.



3

Press and release the **Lock** button. The XL202 LED turns ON solid for one second, then turns OFF to indicate the pairing was completed successfully. The remote also plays a melody while the display reads **LRN OK**.



4

When programming is finished, release the **Programming** button on the XL202.



# Programming type 8

## Compatibilities

Remote part #	Antenna part #	Firmware
5225-TX	5225-RX	202.RFKAFS

## Instructions

### With UNLOCK ALL option:

Press and release, then press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



1

### With DRIVER DOOR PRIORITY UNLOCK option:

Press and hold the **Programming** button of the XL202 module. The LED flashes slowly.



2

Press and hold the **P** button on the remote until the remote emits a long tone and the display reads **MAIN MENU** (around 4 seconds).



3

Press and release the **Trunk** or **Start** button until the display reads **PAIR**.



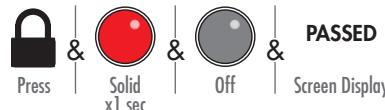
4

Press and release the **P** button once. The remote display reads **CODING**. It is now in Pairing mode.



5

Press the **Lock** button on the remote. Upon successful pairing, the XL202 LED turns ON solid for one second, then turns OFF to indicate the pairing was completed successfully. The remote display also reads **PASSED**.



6

When programming is finished, release the **Programming** button on the XL202.



7

Wait 30 seconds for remote to exit programming. All remote lights will be off when the programming mode has been exited.

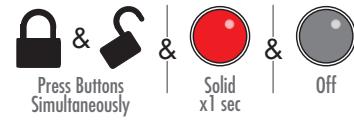


## Erasing all remotes from the memory

- 1 Press and release the **Programming** button twice, then press and hold the  button. The LED starts to flash quickly.



- 2 Press the **Lock** and **Unlock** buttons (simultaneously) of the programmed remotes. The LED turns ON for one second, then turns OFF. The remote also emits a buzzing sound (2-way remotes only), usually indicating that you are out of range. In this case, it means that the remotes have been successfully erased.



## **Limited lifetime consumer warranty**

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Directed Electronics, ("Directed") promises to the original purchaser to repair or replace (at Directed's election) with a comparable reconditioned model any Directed unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle provided the following conditions are met: the unit was purchased from an authorized Directed dealer, the unit was professionally installed and serviced by an authorized Directed dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized Directed dealer; and the unit is returned to Directed, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorized dealers name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle license number and vehicle identification number. All components other than the unit, including without limitation the siren, the remote transmitters and the associated sensors and accessories, carry a one-year warranty from the date of purchase of the same. ALL PRODUCTS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF PURCHASE FROM AN AUTHORIZED DEALER WILL BE DENIED. This warranty is non-transferable and is automatically void if: the unit's date code or serial number is defaced, missing or altered; the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. Directed, in its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. DIRECTED SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENTS AGAINST POSSIBLE THEFT. DIRECTED IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE AND/OR VANDALISM. THIS WARRANTY DOES NOT COVER LABOR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED OR ITS SUBSIDIARY, THE VENUE SHALL BE SAN DIEGO COUNTY IN THE STATE OF CALIFORNIA. CALIFORNIA STATE LAWS AND APPLICABLE FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED DEALER'S PURCHASE PRICE OF THE UNIT. DIRECTED SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGE TO VEHICLE, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE SUBJECT TO THE CONDITIONS AS DESCRIBED HEREIN. THIS WARRANTY IS VOID IF THE UNIT HAS NOT BEEN PURCHASED FROM DIRECTED, OR AN AUTHORIZED DIRECTED DEALER, OR IF THE UNIT HAS BEEN DAMAGED BY ACCIDENT, UNREASONABLE USE, NEGLIGENCE, ACTS OF GOD, NEGLECT, IMPROPER SERVICE, OR OTHER CAUSES NOT ARISING OUT OF DEFECT IN MATERIALS OR CONSTRUCTION.

Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights and you may also have other rights that vary from State to State.

This warranty is only valid for sale of product(s) within the United States of America and in Canada. Product(s) sold outside of the United States of America or Canada are sold "AS-IS" and shall have NO WARRANTY, express or implied.

For further details relating to warranty information of Directed products, please visit the support section of Directed's website at: [www.directed.com](http://www.directed.com).

This product may be covered by a Guaranteed Protection Plan ("CPP"). See your authorized Directed dealer for details of the plan or call Directed Customer Service at 1-800-876-0800.

(920-10011-01 2011-06)